Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/18/2022 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124684	-1	1.25	124588	1.25
Blue	F	SSC	125000	124284	-1	2.75	124678	2.59
Blue	E	FITC	13602	13374	-2	2.20	375	12.97
Blue	D	PE	24891	24787	-1	1.61	588	10.08
Blue	B	PerCP-Cy5-5	33972	33482	-2	2.88	953	14.65
Blue	A	PE-Cy7	22865	22915	0	4.85	476	29.74
Red	C	APC	47198	47107	-1	2.48	1629	11.34
Red	A	APC-Cy7	26454	25635	-4	3.11	727	12.09
Violet	B	V450	6737	6441	-5	3.38	450	11.48
Violet	A	V500	29317	28273	-4	2.84	966	8.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23927	2.57	560	25	N/A	N/A	Pass
Blue	F	SSC	56032	2.04	517	-4	N/A	N/A	Pass
Blue	E	FITC	57	51.89	485	1	0.0471	91	Pass
Blue	D	PE	114	38.92	488	2	0.5060	410	Pass
Blue	B	PerCP-Cy5-5	152	40.18	581	2	0.0205	66	Pass
Blue	A	PE-Cy7	81	78.03	624	3	0.0238	6	Pass
Red	C	APC	342	25.67	573	1	0.0288	198	Pass
Red	A	APC-Cy7	134	34.73	549	-2	0.0067	1437	Pass
Violet	B	V450	77	46.82	448	-2	0.0547	2264	Pass
Violet	A	V500	113	36.06	468	-1	0.0273	1959	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.06	-31.83	1.03
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.82	13.90 - 20.86	N/A	N/A	30.11	30.41	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9963

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments